



DEFENCE

Army	Navy	Air Force
General	Admiral	Air Chief Marshal
Lieutenant General	Vice-Admiral	Air Marshal
Major General	Rear Admiral	Air Vice-Marshal
Brigadier	Commodore	Air Commodore
Colonel	Captain	Group Captain
Lieutenant Colonel	Commander	Wing Commander
Major	Lieutenant Commander	Squadron Leader
Captain	Lieutenant	Flight Lieutenant
Lieutenant	Sub-Lieutenant	Flying Officer

INDIAN AIR FORCE



HISTORY

- ▶ The Indian Air Force was officially established on 8 October 1932 as an auxiliary air force of the Royal Air Force.
- ▶ On 1 April 1933, the first squadron of the Indian Air Force (IAF) 'No. 1 Squadron' was commissioned with four Westland Wapiti biplanes and five pilots.
- ▶ In March 1945, acknowledging the IAF's achievements and contributions in the Second World War, the service was honoured by the bestowal of the title 'Royal' on its title by British monarch King George VI.

- ▶ In 1950, the Royal Indian Air Force became the Indian Air Force.
- ▶ On 1 April 1954, Air Marshal Subroto Mukherji took over as the first Indian Chief of Air Staff
- ▶ The Indian Air Force has contributed immensely in safeguarding our national borders and securing our skies.
- ▶ o On 27 October 1947, the IAF flew the first contingent of Indian Army to Srinagar. Army landed in time and secured Jammu Kashmir from tribal invaders of Pakistan.

MARSHAL
of the
INDIAN AIR FORCE
ARJAN SINGH

15 April 1919 - 16 September 2017



Marshal of the IAF is a five star Air officer rank and the highest attainable rank in the Indian Air Force. It is not a ceremonial rank. Marshal of the Indian Air Force Arjan Singh is the only IAF officer to be promoted to this rank.

DID YOU KNOW?

Indian Air Force's motto
“Nabha Sparsham Deeptham or
Touch the Sky with Glory” is
taken from the eleventh chapter
of the Bhagavad Gita



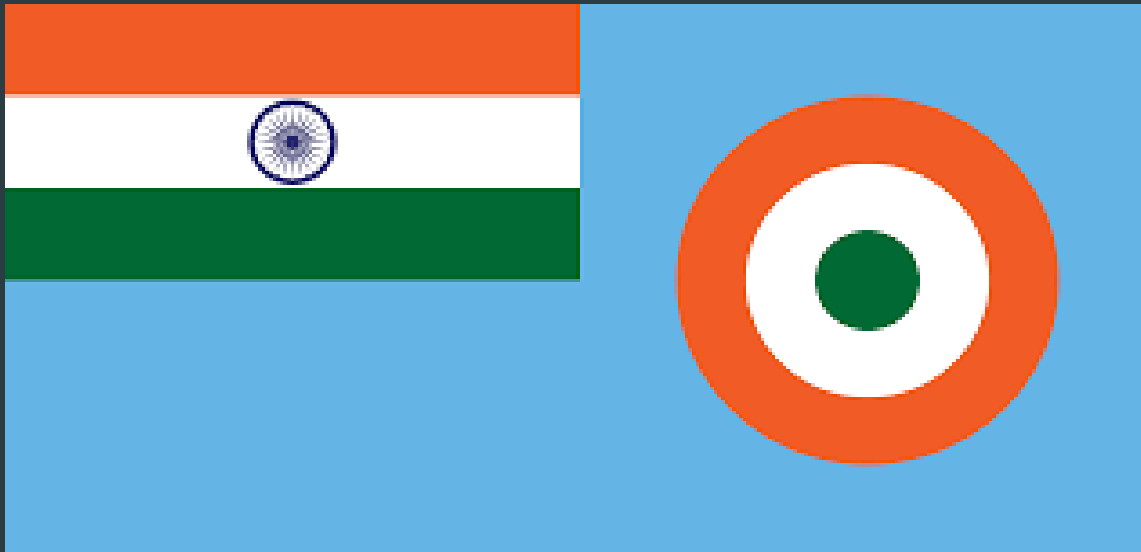
INSIGNIA OF THE INDIAN AIR FORCE



IAF ROUNDEL



IAF IN FLASH

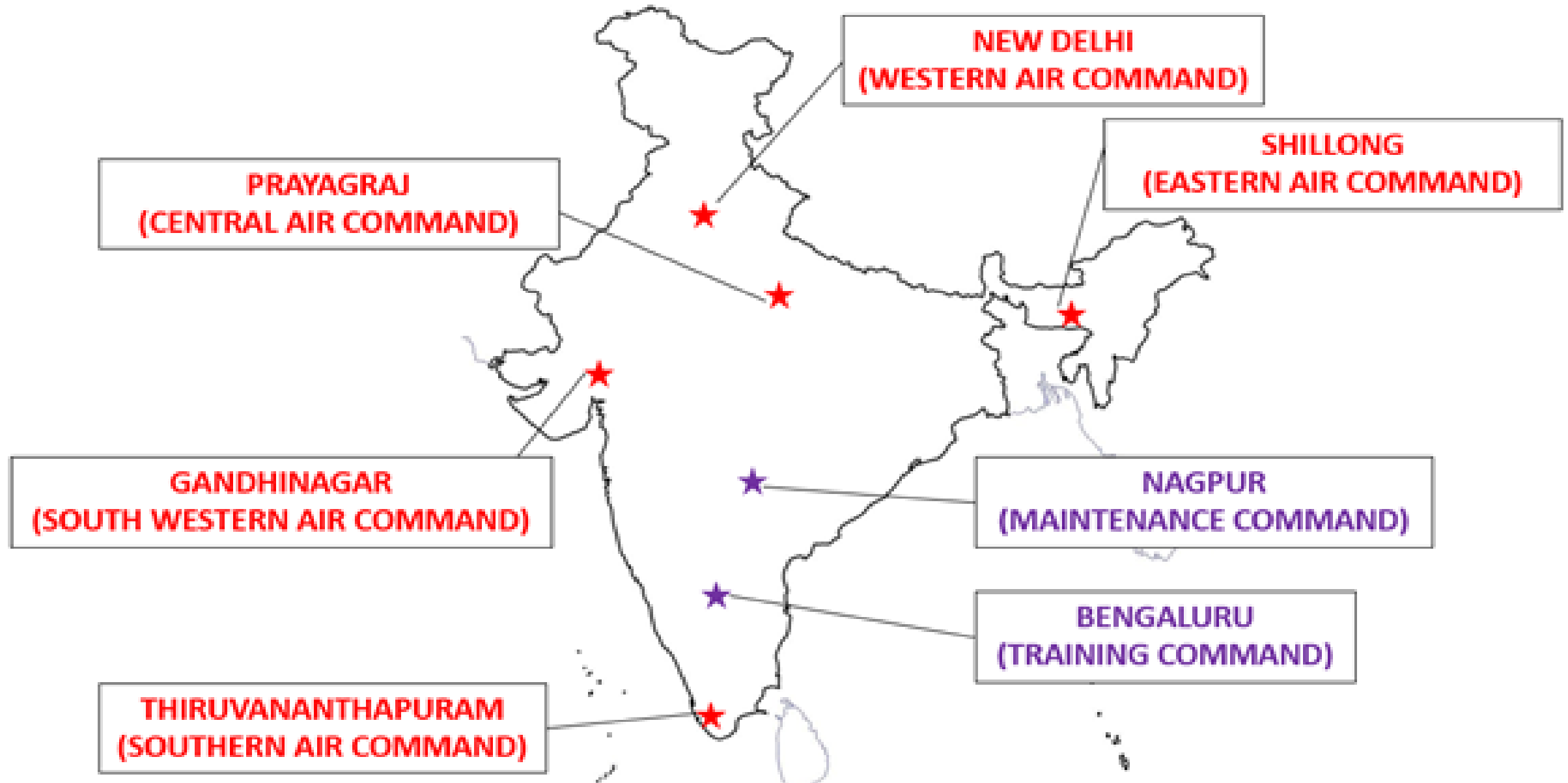


FLAG OF IAF

COMMANDS

Central Air Command (CAC)	Prayagraj, Uttar Pradesh
Eastern Air Command (EAC)	Shillong, Meghalaya
Southern Air Command (SAC)	Thiruvananthapuram, Kerala
South Western Air Command (SWAC)	Gandhinagar, Gujrat
Western Air Command (WAC)	New Delhi
Training Command (TC) +	Bangalore, Karnataka
Maintenance Command (MC) +	Nagpur, Maharashtra

Locations of Command HQs:



COMMANDERS OF INDIAN ARMED FORCES

- ▶ The President of India is the Supreme Commander of the Indian Armed Forces.
- ▶ General Anil Chauhan is the current Chief of Defence Staff (CDS) of India.
- ▶ The current Chief of the Air Staff is Air Chief Marshal Vivek Ram Chaudhari.

DISPLAY TEAMS

The Surya Kiran Aerobatic Team (SKAT) is an aerobatics demonstration team of the Indian Air Force (formed in 1996).

Sarang is the Helicopter Display Team of the Indian Air Force. The team was formed in October 2003



BRANCHES OF AIRFORCE

FLYING BRANCH

(i) Fighters

(ii) Transporters

(iii) Helicopters

GROUND DUTY (TECHNICAL) BRANCH

(i) Mechanical

(ii) Electronic

GROUND DUTY (NON-TECHNICAL) BRANCH

(i) Administration

(ii) Logistics

(iii) Accounts

(iv) Education

(v) Meteorology

Name of the Indian Air Force Training Institute /Academy

Headquarters or Location of the Indian Air Force Training Institute/Academy

Air Force Academy (AFA)

Dundigal, Hyderabad, Telangana

Helicopter training school

Hakimpeth

Air Force Technical College (AFTC)

Jalahalli, Bengaluru, Karnataka

Basic Flying Training School

Prayagraj

Garud Regimental Training Centre

Chandinagar

The Institute of Aerospace Medicine

HAL, Bengaluru, Karnataka

Airmen Training School

Sambra, Belgaum, Karnataka

Types of Aircraft

► 1) Fixed wing Aircrafts

- 1) Fighter Aircrafts
- 2) Transport Aircrafts
- 3) Drones

2) Rotatory wing Aircrafts

- 1) Helicopters

Fixed-Wing Aircraft

► FIGHTER AIRCRAFTS

- 1) SU 30 MKI
- 2) MIG 29
- 3) HAL TEJAS
- 4) MIRAGE 2000
- 5) MIG 21
- 6) DASSAULT RAFALE
- 7) JAGUAR

TRANSPORT AIRCRAFTS

- 1) C 295
- 2) C 130J SUPER HERCULUS
- 3) C 17 GLOBEMASTER
- 4) IL 76
- 5) AN 32

Sukhoi SU-30 MKI



- Sukhoi SU-30 MKI Also known as **Flanker**.

It is a twin engine Multi-Role Fighter Aircraft.

- Origin - Russian
- Units - 272

Mikoyan MIG-29



- Also known as **Baaz** .
It is the second line of defence after the Sukhoi Su-30MKI.
Twin engine, single seater, **Russian** origin.
- Speed 2.3 mach
- Units - 92.

HAL Tejas MK1A



- Tejas is indigenously built by **HAL**
- Tejas will replace the existing fleets of MiG-21s.
- It is a 4.5 generation multirole combat aircraft
- Speed 1.4 mach
- Units - 83(ordered)

DASSAULT MIRAGE 2000



- Also known as **Vajra**
- A single seater air defence and multi-role fighter of **French** origin single engine can attain a max speed of 2495 km/hr (Mach 2.3).
- Units - 51.

Mikoyan-Gurevich MiG-21 Bison



- Also known as Bison.
- Single engine, single seater multirole fighter aircraft of **Russian** origin
- It has a max speed of 2230 km/hr (Mach 2.1)
- Units - 50.

SEPECAT JAGUAR



- Also known as **Shamsher**.
 - A twin-engine, single seater deep penetration strike aircraft of **Anglo-French** origin .
- which has a maximum speed of 1350 km /hr (Mach 1.3).
- Units - 130.

DASSAULT RAFALE



- Indian Government has signed a contract for 36 Rafale aircraft from the French company - Dassault Aviation.
- Twin engine single/double seater

TRANSPORT AIRCRAFTS

Antonov AN-32



- Twin engine turboprop, medium tactical transport aircraft of **Russian origin** with a crew of five and capacity to carry 39 paratroopers or max load of 6.7 tonnes.
- Units - 105

ILYUSIN IL-76



- A four engine heavy duty/long haul military transport aircraft of **Russian** origin with a max speed of 850 km/hr.
- It has a twin 23 mm cannon in tail turret and capacity to carry 225 paratroopers or 40 tonnes freight, wheeled or tracked armoured vehicles.
- Units - 17

BOEING C-17 GLOBEMASTER



- The aircraft is capable of carrying a payload of 40-70 tons up to a distance of 4200-9000 km in a single hop.
- The **US Origin** aircraft is manufactured by Boeing.
- Units - 11

LOCKHEED C-130J HERCULES



- Also known as Hercules.
- Four-engine **turboprop** military transport aircraft
- The aircraft performs paradrop, heavy drop, casualty evacuation and can also operate from short and semi prepared surfaces.
- It can also perform precision low-level flying, airdrops and landing in blackout conditions.
- A **US Origin** aircraft manufactured by **lockheed martin**.
- Units - 12.

ROTATORY WING AIRCRAFTs

1. Transport Helicopters

- # CH-47 Chinook
- # MI-17 V5
- # MI-26
- # HAL Chetak
- # HAL Dhruv

2. Gunships Helicopters

- # AH-64 Apache
- # MI-35 Gunship
- # HAL Prachand

TRANSPORT HELICOPTERS

Boeing CH-47 Chinook



- On 25 March 2019, the IAF formally inducted the CH 47 F(I)- Chinook heavy lift helicopters into its inventory at Air Force Station Chandigarh.
- twin-engined, tandem rotor, heavy-lift helicopter.
- A **US Origin** aircraft manufactured by **Boeing**.
- Units - 15.

MI-17 V5



- The Mi-17 V5 is a potent helicopter platform, equipped with modern avionics and glass cockpit instrumentation.
- They are equipped with state-of-art navigational equipment, avionics, weather radar and are NVG-compatible.
- A **Russian Origin** aircraft that india has purchased huge numbers.
- Units - 250.

MI-26 Transport



- Twin engine turboshaft, military heavy lift helicopter of Russian origin with carrying capacity of 70 combat equipped troops or 20,000 kg payload. It has a max speed of 295 km/hr.
- A **Russian origin** heavy duty transport helicopter.
- Units - 05.

HAL Chetak(LUH)



- Light Utility helicopter •
- Single engine turboshaft, light utility **French** helicopter with capacity of 6 passengers or 500 kg load.
- Units - 190.

ALH Dhruv



- Utility helicopter developed by **Hindustan Aeronautics Limited (HAL)**.
 - The Dhruv entered service in 2002. Operated by both the Army and Air Force.
 - It's an indigenously manufactured utility helicopter in huge numbers.
 - Units - 120.

Gunships

AH-64E Apache



- A **US Origin** helicopter manufactured by Boeing.
- The helicopter is capable of delivering a variety of weapons which include air to ground Hellfire missiles, 70 mm Hydra rockets and air to air Stinger missiles.
- Units - 22, Ordered-6

Mi-35 Gunship



- The Mi-35 was inducted in Apr 1990 from **Russia**.
- Twin engine turboshaft, assault and anti armour helicopter capable of carrying o 8 men assault squad with four barrel 12.7 mm rotary gun in nose barbette and of Up to 1500 Kg of external ordnance including Scorpion anti-tank missiles.
- Units – 15.

HAL Prachand



- The HAL Prachand is an Indian multi-role light attack helicopter designed and manufactured by **Hindustan Aeronautics Limited (HAL)**.
- It has been ordered both by Indian army and Indian air force and are going to order in huge numbers.
- Units - 15.
- Ordered -
 - Indian Army - 95.
 - Indian Air Force -61.